

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A digital media network station, comprising:
a digital media transceiver configured for sending and receiving ~~unmodulated~~ digital media signals over a digital media bus;
a data transceiver for sending and receiving control signals over a control bus;
a processor in communication with said digital media transceiver and said data transceiver for arbitrating transmission and reception of said digital media signals based on said control signals and preventing media signal collisions from occurring on said digital media bus; and
wherein said digital media network station is configured for wall mounting.

2. (Currently Amended) The digital media network station according to claim 1, further comprising a switchable media bus termination network between said digital media transceiver and said digital media bus for balancing transmissions on said digital media bus.

3. (Currently Amended) The digital media network station according to claim 1, further comprising a switchable control bus termination network between said data transceiver and said control bus for balancing transmissions over said control bus.

4. (Currently Amended) The digital media network station according to claim 1, further comprising a media output connection in communication with said digital media transceiver for interconnecting received digital media signals with an external media device.

5. (Currently Amended) The digital media network station according to claim 1, further comprising a media input connection in communication with said digital media transceiver for interconnecting an external media device with said digital media transceiver for digital media signal transmission over said digital media bus.

6. (Currently Amended) The digital media network station according to claim 1, further comprising a memory device in communication with said processor for storing computer instructions executable by said processor, said computer instructions implementing a method of switching arbitration to prevent said media signal collisions from occurring on said media bus.

7. (Currently Amended) A digital media network system, comprising:
a digital media bus;
a control bus; and
a plurality of digital media network stations connected to said digital media bus and said control bus, each digital media network station comprising:
a digital media transceiver configured for sending and receiving ~~unmodulated~~ digital media signals over said digital media bus;
a data transceiver for sending and receiving control signals over said control bus;
a processor in communication with said digital media transceiver and said digital data transceiver for arbitrating transmission and reception of said digital media signals based on said control signals and preventing media signal collisions from occurring on said digital media bus; and
wherein each said digital media network station is configured for wall mounting.

8. (Currently Amended) The digital media network system of claim 7, wherein each of said digital media network stations further comprises a memory device in communication with said processor for storing computer instructions executable by said processor, said computer instructions implementing a method of switching arbitration preventing said media signal collisions from occurring on said digital media bus.

9. (Currently Amended) The digital media network system of claim 7, wherein said digital media bus comprises a signal transmission technology selected from the group consisting of electrical, infra-red, ultrasonic, radio frequency and fiber optic technologies.

10. (Currently Amended) The digital media network system of claim 7, wherein said digital media bus comprises a plurality of digital media buses.

11. (Currently Amended) A method of switching arbitration in a digital media network system, said method comprising:
providing a digital media network system having a plurality of digital media network stations, each digital media network station configured for wall mounting and in communication with each other over an ~~unmodulated~~ digital media network bus, said digital media network bus comprising:
a digital media bus; and
a digital control bus;
one of said plurality of digital media network stations creating a control packet;
said one digital media network station sending said control packet on said digital control bus to all other digital media network stations;
said all other digital media network stations parsing said control packet; and
if said control packet comprises a system-wide broadcast command and there is no transmission on said digital media bus, executing said system-wide broadcast command.

12. (Currently Amended) The method according to claim 11, further comprising, if said control packet comprises a media network station-specific command, and there is no transmission on said digital media bus, executing a handshake and said media network station-specific command or else timing out.

13. (Currently Amended) The method according to claim 12, wherein said executing a handshake further comprises validating a response to ensure correct processing of said media network station-specific command.

14. (Currently Amended) A method of switching arbitration in a digital media network system, said method comprising:
providing said digital media network system including at least three digital media network stations, each digital media network station configured for wall mounting and interconnected by a digital media bus and a control bus;
one of said at least three digital media network stations monitoring said control bus; and
said one of said at least three digital media network stations transmitting ~~unmodulated~~ digital media signals to all other of said at least three digital media network stations if said digital media bus is not being used.